AT START OF DATA

Structured Mode Syntax

```
[AT] START [OF] DATA [(r)]
      statement...
END-START
```

Reporting Mode Syntax

```
[AT] START [OF] DATA [(r)]
  {        statement        }
  { DO  statement... DOEND  }
```

Related Statements: AT END OF DATA | FIND | READ | HISTOGRAM | SORT | READ WORK FILE

Function

The statement AT START OF DATA is used to perform processing immediately after the first of a set of records is read for a processing loop that has been initiated by one of the following statements: READ, FIND, HISTOGRAM, SORT or READ WORK FILE. If the loop-initiating statement contains a WHERE clause, the at-start-of-data condition will be true when the first record is read which meets both the basic search and the WHERE criteria.

This statement is non-procedural (that is, its execution depends on an event, not on where in a program it is located).

Value of Database Fields

All database fields contain the values of the record which caused the at-start-of-data condition to be true (that is, the first record of the set of records to be processed).

Positioning

This statement must be positioned **within** a processing loop, and it may be used only once per processing loop.

Reference to a Specific Processing Loop - *r*

An AT START OF DATA statement may be related to a specific outer active processing loop by using the "*(r)*" notation. If this notation is not used, the statement is related to the outermost active processing loop.

Example

```
/* EXAMPLE 'ASDEX1S': AT START OF DATA (STRUCTURED MODE)
/*********************************************************************
DEFINE DATA LOCAL
1 EMPLOY-VIEW VIEW OF EMPLOYEES
  2 NAME
  2 FIRST-NAME
  2 CITY
1 #CNTL (A1)  INIT <' '>
1 #CITY (A20) INIT <' '>
END-DEFINE
/*********************************************************************
REPEAT
  INPUT 'ENTER VALUE FOR CITY'  #CITY
    IF #CITY = ' ' OR = 'END'
     STOP
    END-IF
  FIND EMPLOY-VIEW WITH CITY = #CITY
    IF NO RECORDS FOUND
     WRITE NOTITLE NOHDR 'NO RECORDS FOUND'
     ESCAPE BOTTOM
    END-NOREC
/*********************************************************************
    AT START OF DATA
     INPUT (AD=O) 'RECORDS FOUND' *NUMBER //
                  'ENTER ''D'' TO DISPLAY RECORDS' #CNTL (AD=A)
     IF #CNTL NE 'D'
      ESCAPE BOTTOM
     END-IF
    END-START
/*********************************************************************
    DISPLAY NAME FIRST-NAME
  END-FIND
END-REPEAT
END
```

```
ENTER VALUE FOR CITY PARIS
```

```
RECORDS FOUND        24

ENTER 'D' TO DISPLAY RECORDS D
```

```
      NAME                FIRST-NAME
--------------------  --------------------

   MAIZIERE            ELISABETH
   MARX                JEAN-MARIE
   REIGNARD            JACQUELINE
   RENAUD              MICHEL
   REMOUE              GERMAINE
   LAVENDA             SALOMON
   BROUSSE             GUY
   GIORDA              LOUIS
   SIECA               FRANCOIS
   CENSIER             BERNARD
   DUC                 JEAN-PAUL
   CAHN                RAYMOND
   MAZUY               ROBERT
   VALLY               ALAIN
   BRETON              JEAN-MARIE
   GIGLEUX             JACQUES
   XOLIN               CHRISTIAN
   LEGRIS              ROGER
   RIVIERE             JEAN-LUC
   REICH               MARC
   VVVV
```

Equivalent reporting-mode example: See program ASDEX1R in library SYSEXRM.